

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
12 May 2005 (12.05.2005)

PCT

(10) International Publication Number  
**WO 2005/041980 A1**

(51) International Patent Classification<sup>7</sup>: **A61K 31/56**,  
31/568, 47/26, 47/36, A61P 11/00, 11/06

15 Barry Road, Beckton, London E6 5TA (GB). ZENG,  
Xian-Ming [CN/GB]; 45 Hill Road, Mitcham, Surrey,  
CR4 2HS (GB).

(21) International Application Number:  
PCT/US2004/036477

(74) Agent: **STEINBERG, Michael, A.**; Ivax Corporation,  
4400 Biscayne Boulevard, Miami, FL 33137 (US).

(22) International Filing Date:  
3 November 2004 (03.11.2004)

(81) Designated States (*unless otherwise indicated, for every  
kind of national protection available*): AE, AG, AL, AM,  
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,  
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,  
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,  
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,  
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,  
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,  
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,  
ZW.

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
60/517,324 3 November 2003 (03.11.2003) US

(84) Designated States (*unless otherwise indicated, for every  
kind of regional protection available*): ARIPO (BW, GH,  
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,  
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),  
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,  
FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE,  
SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,  
GW, ML, MR, NE, SN, TD, TG).

(71) Applicant (*for BB only*): **IVAX CORPORATION**  
[US/US]; 4400 Biscayne Boulevard, Miami, FL 33137  
(US).

(71) Applicant (*for all designated States except US*): **NOR-  
TON HEALTHCARE, LTD.** [GB/GB]; Albert Basin,  
Royal Docks, London GB E16 2QJ (GB).

(72) Inventors; and

(75) Inventors/Applicants (*for US only*): **GOLLER, Michael**,  
I. [GB/GB]; 84 Faringford Road, Stratford, London, E14  
4DW (GB). **LI, Qi** [US/US]; 7305 SW 129th Street,  
Pincrest, FL 33156 (US). **LY, Jade** [CN/US]; 4740 Hibbs  
Grove Terrace, Cooper City, FL 33330 (US). **MOMIN**,  
Mohammed, Nurul [GB/GB]; 19 Welstead House,  
Cannon Street Road, London, E1 2LJ (GB). **SALAS**,  
Katherine [US/US]; 19370 Collins Avenue, Apt. 217C,  
Sunny Isles Beach, FL 33160 (US). **UKEJE**, Anayo,  
Michael [NG/GB]; 9 Nursery Close, Putney, London,  
SW15 6AS (GB). **YANAMANDRA, Ramesh** [IN/GB];

**Published:**

- with international search report.
- before the expiration of the time limit for amending the  
claims and to be republished in the event of receipt of  
amendments

*For two-letter codes and other abbreviations, refer to the "Guid-  
ance Notes on Codes and Abbreviations" appearing at the begin-  
ning of each regular issue of the PCT Gazette.*

(54) Title: **SOFT STEROID COMPOSITIONS FOR USE IN DRY POWDER INHALERS**

(57) Abstract: A medicament and a method of producing a medicament are disclosed. The medicament contains a soft steroid and is suitable for administration via a dry powder inhaler.



**WO 2005/041980 A1**

**BEST AVAILABLE COPY**